



AUSTRALIAN HOME HEATING ASSOCIATION
INC

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SLOW COMBUSTION HEATER CERTIFICATION

Summary by Test Laboratory or Manufacturer after testing to AS/NZS 4012:1999 & AS/NZS 4013:1999

Test Report No: AHT-14-08-E

Date: 25/08/2014

Test Laboratory

Name	Adelaide Heating Technology
Address	9 Duncan Rd, Dry Creek, South Australia
Postcode	5094
Telephone	08 8349 8332
Fax	08 8260 6643
Contact Name	Tim Cannon

Manufacturer

Name	Schots Home Emporium
Address	400 Hoddle Street, Clifton Hill Melbourne, Victoria
Postcode	3068
Telephone	03 9482 6400
Fax	03 9482 6540
Contact Name	Don Savige

Appliance

Make	Schots
Model	Vienna GL70
Type	Freestanding radiant wood heater

1. Was all documentation required under Section 8.2 of AS 4013 provided with the appliance for testing? YES/NO
2. a) Was a photograph of the appliance taken and is it on file at the Test Laboratory? YES/NO
- b) Was a photograph of the Fuel Load in position in the Heater taken and is it on file at the Test Laboratory? YES/NO
- c) Can the appliance be fitted with a Water Heating Device? YES/NO

- d) Was a water-heating device fitted and operated during testing? **YES/NO**
- e) Is the Fuel Loading Geometry specified in the Operating Manual?
If the answer to 2.e) is NO - go to 2.f) - ELSE go to 2.g) **YES/NO**
- f) Is the Fuel Loading Geometry specified in the Test Report? **YES/NO**
- g) Did the Test Fuel comply with the appropriate requirements of AS 4014? **YES/NO**
- h) Does the appliance have an Air Circulation Fan?
If the answer to 2.h) is YES - go to 2.i) - ELSE go to 2.j) **YES/NO**
- i) Was the appliance tested in accordance with Section 6.7.3 of AS 4012? **YES/NO**
- j) Is the appliance fitted with a catalytic combustor?
If the answer to 2.j) is YES - go to 2.k) - ELSE go to 3.a) **YES/NO**
- k) Was the conditioning carried out in accordance with Section 6.1.2 of AS 4012? **YES/NO**

3. Summary of Test Report

a)	Type of Fuel used in the Test	Hardwood	
b)	Species of Firewood	Sugar gum	
c)	Gross Calorific Value of Fuel	17.87	MJ/kg, oven dry
d)	Average Density	0.883	kg/l, oven dry
e)	Average Ash content	0.4%	% by weight, oven dry
f)	Average Moisture content	13.1%	% wet mass basis
g)	Firewood Piece Length	227	mm
h)	Number of Firewood Pieces per Load	9	
i)	Mass of Fuel Load	11.10	kg, wet
j)	Post Conditioning Air Flow Test	0.512	m ³ /min
k)	Post Burn Air Flow Test	0.527	m ³ /min

		High Burn	Medium Burn	Low Burn	
l)	Appliance Fan Setting	N/A			
m)	Average Power	18.9	14.0	13.6	kW
n)	Average Peak Power	21.3			kW
o)	Average Efficiency	59.5%	58.6%	65.4%	%
p)	Average Fuel Consumption	6.5	4.9	4.2	kg/Hr oven dry
q)	Average Burn Time	91	119	137	min
r)	Average Particulate Emission Factor	0.48	0.79	0.72	g/kg

Appliance Particulate Emission Factor 0.7 g/kg of Fuel

4. Does the Appliance conform to AS 4013? YES/NO

Name of Testing Officer: Tim Cannon

Checked: Tim Cannon

Date: 25/08/2015

Compliance Plate

MAKE: SCHOTS

TYPE: FREESTANDING

MODEL: GL70

SERIAL NO:

TESTED BY: ADELAIDE HEATING TECHNOLOGY

TEST REPORT NO: AHT-14-08-E

DATE: 25-08-2014

TESTED TO AS/NZS 4013:2014

**MAXIMUM AVERAGE HEAT OUTPUT BURNING HARDWOOD
18.9 kW**

**OVERALL AVERAGE EFFICIENCY BURNING HARDWOOD
61%**

**WHEN TESTED IN ACCORDANCE WITH
AS/NZS 4012**

**Manufacturer/Distributor Contact Details,
SCHOTS HOME EMPORIUM,
400 HODDLE STREET, CLIFTON HILL. MELBOURNE, VICTORIA. TEL 03
94826400**